

Appl. No.: 10/023,284
Amdt. dated: 6/5/2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

What is claimed is:

1. (Cancelled).
2. (Cancelled).
3. (Currently Amended). A submersible pump-motor assembly for pumping a fluid in which said pump-motor assembly is submersed, comprising:
 - a sealed motor unit including an end bell and a lead housing;
 - a pump assembly having components, said pump assembly having a predetermined cross-sectional area; and
 - a shell having an expanded portion that is relatively larger than said predetermined cross-sectional area, wherein the shell encloses the pump assembly components and the motor unit, the expanded portion defining a cavity between said shell and said motor unit, wherein the shell, motor unit and pump assembly are configured to enable to the fluid in which said pump-motor assembly is immersed to be pumped through said cavity, said shell being further configured to align align the pump assembly components to the motor unit, and wherein the shell contacts the end bell.
4. (Previously Presented). The pump-motor assembly of claim 3, wherein the shell contacts the lead housing.
5. (Cancelled).
6. (Cancelled)

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7. (Previously Presented). The pump-motor assembly of claim 3, wherein the inner diameter of the expanded portion of the shell is at least four inches.

8. (Cancelled).

9. (Cancelled).

10. (Original). The pump-manifold assembly of claim 9, wherein the shell contacts the end bell.

11. (Currently Amended). A pump-manifold assembly, comprising:
a manifold;
a pump-motor assembly; and
a piping assembly connecting the pump-motor assembly to the manifold, wherein the pump-motor assembly comprises:

a sealed motor unit including an end bell and a lead housing;

a submersible pump assembly having components, said pump assembly configured to pump a fluid in which said pump-motor assembly is submersed, said pump assembly having a predetermined diameter; and

a shell having an expanded portion relative to said pump assembly, wherein the shell encloses the pump assembly components and the motor unit and a cavity is defined in the expanded portion between said motor unit and said shell, wherein the shell, motor unit and pump assembly are configured to enable the fluid in which said pump is submersed to be pumped through said cavity, said shell further configured to align ~~aligns~~ the pump assembly components to the motor unit, and wherein the shell contacts the lead housing.

12. (Cancelled).

13. (Cancelled).

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14. (Previously Presented). The pump-manifold assembly of claim 11, wherein the inner diameter of the expanded portion of the shell is at least four inches.

15. (Currently Amended). A petroleum distribution system for use in a petroleum dispensing station, comprising:

a petroleum storage tank;

a petroleum dispenser;

a pump-manifold assembly, in fluid communication with the petroleum dispenser, having a pump-motor assembly, wherein the pump-motor assembly is disposed in the storage tank and the pump-motor assembly comprises:

a sealed motor unit having an end bell and a lead housing;

a submersible pump assembly having components and having a predetermined diameter, said pump assembly configured to pump the fluid in which said pump assembly is submersed; and

a shell having an expanded portion relative to said predetermined diameter, wherein the shell encloses the pump assembly components and the motor unit and the expanded portion defines a fluid cavity between the motor unit and the shell and wherein the shell, pump assembly and motor unit are configured to enable the fluid in which the pump is immersed to be pumped through said cavity, said shell further configured to align ~~aligns~~ the pump assembly components to the motor unit, wherein the shell contacts the end bell and the lead housing.

16. (Cancelled).

17. (Cancelled).

18. (Cancelled)

19. (Cancelled).

20. (Cancelled).

21. (Original). The petroleum distribution system of claim 15, wherein the inner diameter of the expanded portion of the shell is at least four inches.

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22. (Currently Amended). A method for increasing fluid dispensing flow rate in a petroleum distribution system for use in a petroleum dispensing station, comprising:

providing a petroleum distribution system including a petroleum storage tank; a petroleum dispenser; a pump-manifold assembly, in fluid communication with the petroleum dispenser, having a pump-motor assembly, wherein the pump-motor assembly is disposed in the storage tank and the pump-motor assembly includes a sealed motor unit which includes an end bell and a lead housing, a pump assembly having components and having a predetermined diameter, and a shell having an expanded portion relative to said predetermined diameter, wherein the shell encloses the pump assembly components and the motor unit and the expanded portion defines a fluid cavity between the motor unit and the shell and wherein the shell and said pump-motor assembly are configured to enable a fluid in which said pump-motor assembly is immersed to be pumped through said cavity, said shell further configured to align aligns the pump assembly components to the motor unit, said shell and said motor unit being configured so that said shell contacts said end bell and said lead housing; and

energizing the pump-motor assembly to pressurize the petroleum distribution system.

23. (Currently Amended). A method for increasing dispensing capacity in a petroleum distribution system for use in a petroleum dispensing station where the maximum dispensing flow rate is capped, comprising:

providing a capped maximum dispensing flow rate;

providing a petroleum distribution system including a petroleum storage tank; a petroleum dispenser; a pump-manifold assembly having a predetermined diameter, in fluid communication with the petroleum dispenser, having a pump-motor assembly, wherein the pump-motor assembly is disposed in the storage tank and the pump-motor assembly includes a sealed motor unit having an end bell and a lead housing, a pump assembly having components, and a shell having an expanded portion relatively larger than said predetermined diameter, wherein the shell encloses the pump assembly components and the sealed motor unit with the expanded portion disposed around the motor unit defining a cavity, wherein the shell and the pump-motor assembly are configured to enable a fluid in which said pump-motor assembly is immersed to be pumped through said cavity, said shell further configured to align aligns the

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pump assembly components to the motor unit, said shell and said motor unit further configured so that said shell contacts said end bell and said lead housing; and

energizing the pump-motor assembly to pressurize the petroleum distribution system.

24. (Original). The method of claim 23, wherein the provided capped maximum dispensing flow rate is ten gallons per minute.